

Appendix B: Clean Copy of All Claims Pending After Entrance of the Present Amendment
and Response to Restriction Requirement

1. A method of producing an edible plant whose edible portions comprise significant
5 concentrations of Se-methylselenocysteine or selenium, comprising:
identifying a growth environment containing selenite;
providing a crop plant characterized by an ability to accumulate Se-
methylselenocysteine in its edible portions;
10 cultivating the plant in the growth environment under conditions and for a time
sufficient for the plant to accumulate a significant amount of Se-
methylselenocysteine or selenium in its edible portions; and
harvesting edible portions of the plant which comprise accumulated selenium.
2. The method of claim 1, where the growth environment contains selenite.
15 Already said.
3. The method of claim 1, where identifying the growth environment includes
manipulating the growth environment to increase the availability of selenite to the plant.
- 20 4. The method of claim 3, where manipulating the growth environment includes
adding selenite to the growth environment.
5. The method of claim 1, where the plant is a member of the family *Brassicaceae*.
- 25 6. The method of claim 5, where the plant is a member of the genus *Brassica*.
7. The method of claim 6, where the plant is member of the species *Brassica juncea*.
Brassica Oleralea, and *Brassica Carinata*.

9. The method of claim 1, where the harvested plant is incorporated into a processed food.

22. The method of claim 1, where the accumulated selenium is in the form of Se-methylselenocysteine.

48. A method of providing a nutritional supplement, comprising:
providing a plant that contains Se-methylselenocysteine or selenium in its edible portions; and incorporating the plant into a nutritional supplement.

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